

Greatest Integer Function

$$f(x) = \lfloor x \rfloor$$

$$f(2\frac{1}{2}) = \lfloor 2\frac{1}{2} \rfloor = 2$$

$$f(5.1) = \lfloor 5.1 \rfloor = 5$$

$$f(10.9999999) = \lfloor 10.9999999 \rfloor = 10$$

$$f(\frac{1}{2}) = \lfloor \frac{1}{2} \rfloor = 0$$

$$f(-1.5) = \lfloor -1.5 \rfloor = -2$$

$$f(-3.75) = \lfloor -3.75 \rfloor = -4$$

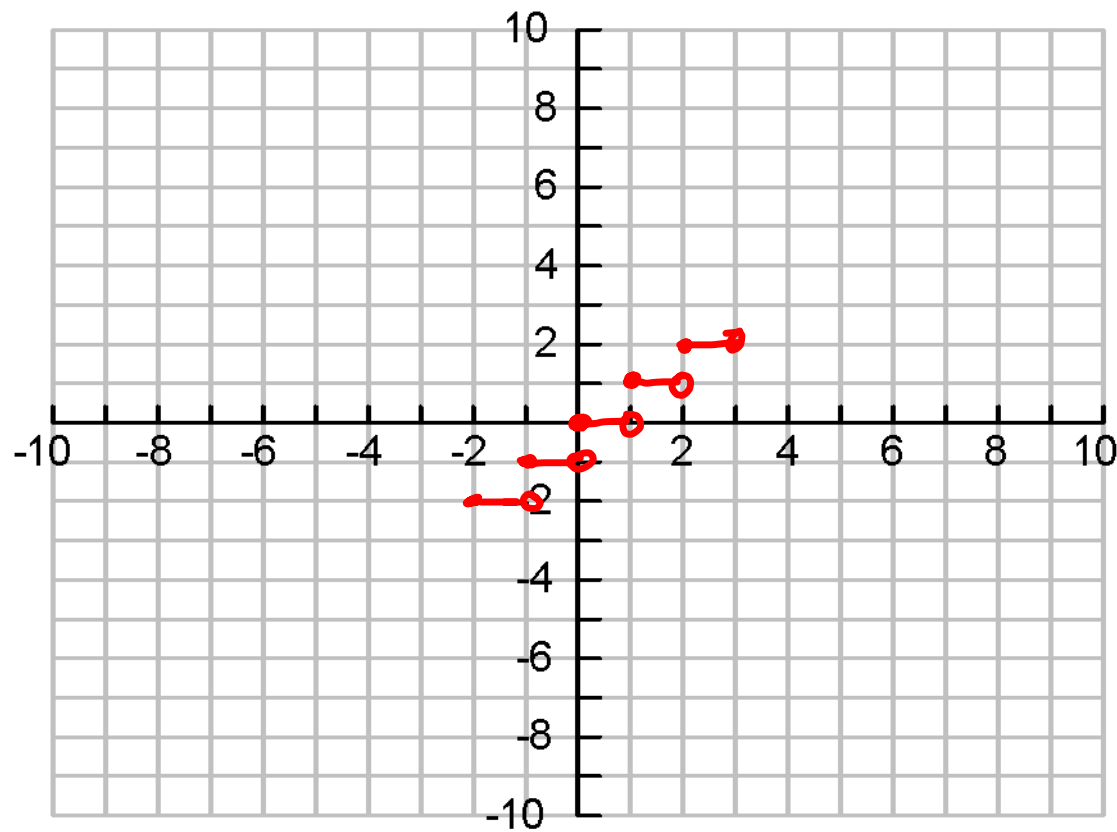
$$f(-\frac{1}{2}) = \lfloor -\frac{1}{2} \rfloor = -1$$

-2 → ||||

-1 → |

X	Y
-2	-2
-1.75	-2
-1.5	-2
-1.25	-2
-1	-1
-.75	-1
-.5	-1
-.25	-1

X	Y
0	0
.25	0
.5	0
.75	0
1	1
1.25	1
1.5	1
1.75	1
2	2



The "Step" Function

P.238
51-54